

# DRAYTON MONITORING DATA

To the 31<sup>st</sup> May 2015



## DRAYTON MONITORING REPORT MAY 2015

Drayton Mine (Drayton) is part of Anglo American's Metallurgical Coal business. This report has been compiled to present monthly environmental monitoring data for Drayton. Results are reported in accordance with reporting requirements for Environment Protection Licence (EPL) 1323 held by the licensee Anglo Coal (Drayton Management) Pty Limited. This report complies with Section 66(6) of the *Protection of the Environment Operations Act 1997*.

# COMPLAINTS SUMMARY

May 2015

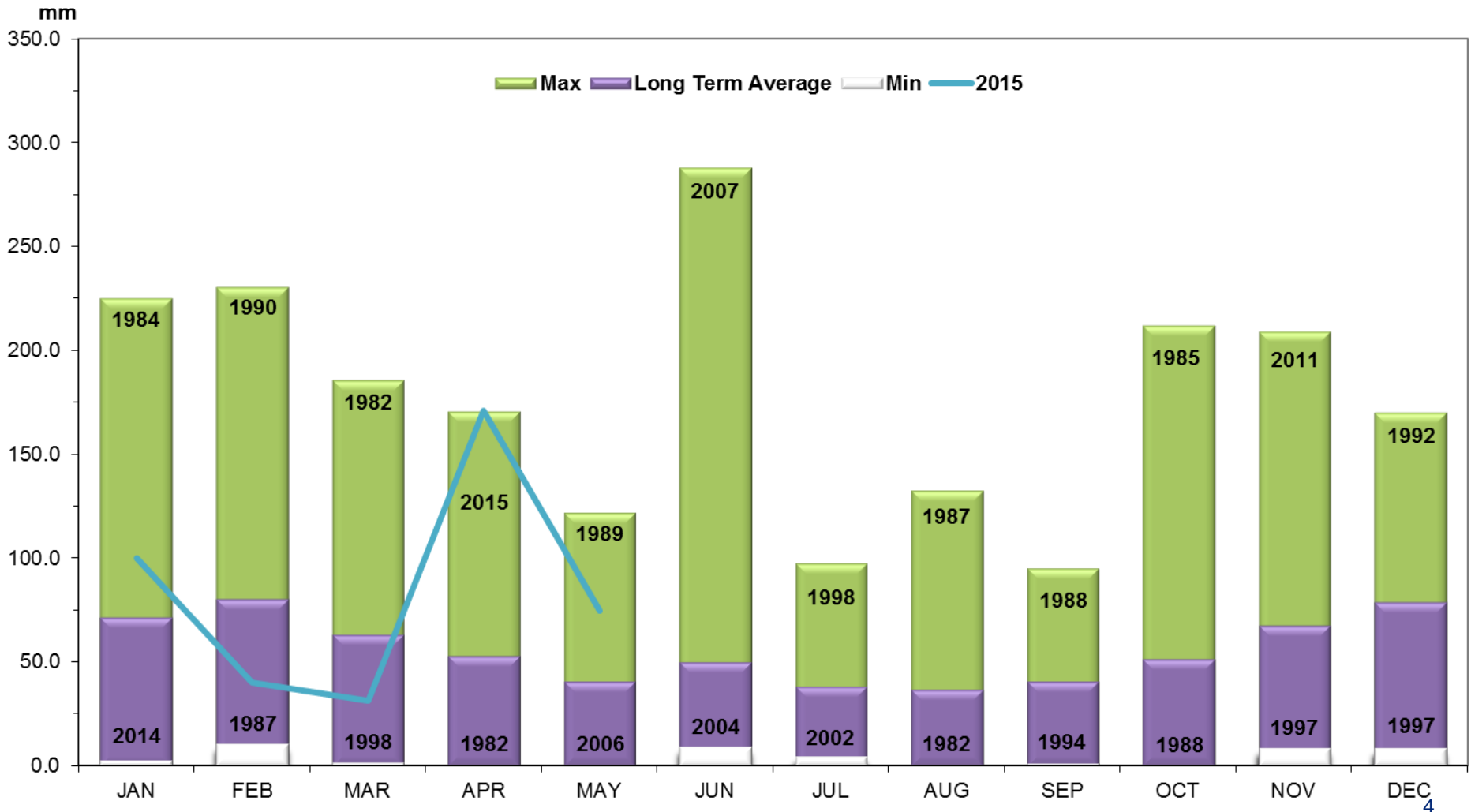
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Two complaints were received during May 2015, both in relation to a shot fired on 19/5/15. Sharman monitoring results were overblast 96.6 dbL (limit 120 dbL) and vibration 0.60 mm/s (limit 10 mm/s).

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 25/06/2015

# RAINFALL

Rainfall Pattern and History (1981 - 2015)



# AIR QUALITY MONITORING POINT 1 (EPL 1323)

## Particulates – Deposited Matter (Antiene)

Sample	Insoluble Solids	Annual Mean	Annual Mean Limit	Unit		
* 2197	1.0	4.1	4	g/m2/month		
2230	1.5	2.5	4	g/m2/month		
2157	1.2	1.9	4	g/m2/month		
2208	1.2	1.9	4	g/m2/month		
2247	1.5	2.1	4	g/m2/month		
2235	1.5	2.0	4	g/m2/month		
2175	1.5	2.1	4	g/m2/month		
2130	1.4	2.2	4	g/m2/month		
					<b>Number of samples</b>	<b>8</b>
					<b>Minimum</b>	<b>1.0</b>
					<b>Mean</b>	<b>1.4</b>
					<b>Maximum</b>	<b>1.5</b>

\* High mean due to contaminated result in February. Contamination due to insects and broken lid.

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 29/05/2015

Date Obtained: 15/06/2015

Date Published: 25/06/2015

Licensee: Anglo Coal (Drayton Management) Pty Limited

EPL 1323

Monitoring Frequency: Monthly

# AIR QUALITY MONITORING POINT 2 (EPL 1323)

## Total Suspended Particulates (Lot 22 Antiene) – High Volume Air Sampler (HVAS)

Date	Sample	TSP	Annual Mean	Annual Mean Limit	Unit			
05-May-15	Lot 22	38	55.77	90	µg/m3			
11-May-15	Lot 22	49	55.66	90	µg/m3		<b>Number of samples</b>	<b>3</b>
17-May-15	Lot 22	42	55.90	90	µg/m3		<b>Minimum</b>	<b>38</b>
23-May-15	Lot 22	* No result	56.17	90	µg/m3		<b>Mean</b>	<b>43</b>
29-May-15	Lot 22	* No result	56.25	90	µg/m3		<b>Maximum</b>	<b>49</b>

\* High Volume sampler had an electrical fault therefore it was not possible to collect samples.

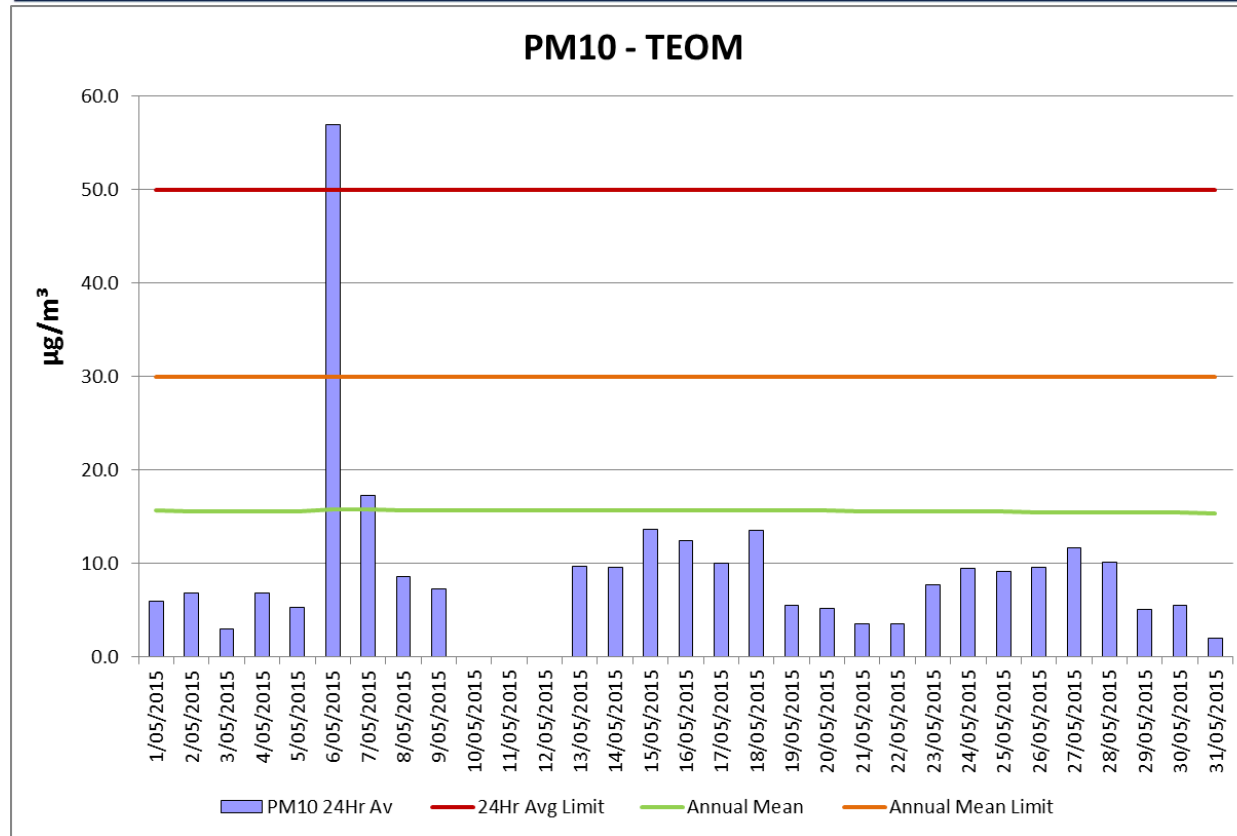
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 23/06/2015  
Date Published: 25/06/2015

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Monitoring Frequency: Every 6 days

# AIR QUALITY MONITORING POINT 4 (EPL 1323)

PM10 (Lot 9 ANTIENE) – Tapered Element Oscillating Microbalance (TEOM)



Number of samples	28
Minimum	2.0
Mean	9.8
Maximum	56.9

Elevated dust levels occurred on 6<sup>th</sup> of May. Air particulates were high throughout the Hunter Valley during this day. The winds were predominately north-westerlies, therefore the high level was not attributable to Drayton.

Missing data due to a power outage at the monitoring point.

Date Sampled: Daily average

Date Published: 25/06/2015

Licensee: Anglo Coal (Drayton Management) Pty Limited

EPL 1323

Monitoring Frequency: Continuous

# BLASTING SUMMARY

## Blast overpressure (noise) and vibration

		SHARMAN		ANTIENE		DE BOER	
		Overpressure	Vibration	Overpressure	Vibration	Overpressure	Vibration
Date	Time	dB(L)	mm/sec	dB(L)	mm/sec	dB(L)	mm/sec
5/05/2015	12:06 PM	91.0	0.32	75.7	0.30	93.4	0.28
6/05/2015	2:29 PM	104.2	0.11	92.4	0.12	94.8	0.24
8/05/2015	11:00 AM	91.1	0.44	90.1	0.26	91.4	0.72
12/05/2015	1:53 PM	104.0	0.17	84.8	0.06	97.3	0.30
19/05/2015	9:07 AM	96.6	0.60	94.2	0.89	94.3	1.13
19/05/2015	3:33 PM	89.8	0.20	70.1	0.16	84.7	0.16
21/05/2015	12:04 PM	82.4	0.07	73.4	0.03	80.0	0.17
26/05/2015	11:00 AM	87.9	0.09	83.6	0.11	85.8	0.21
29/05/2015	2:01 PM	96.0	0.13	85.8	0.07	95.1	0.17
29/05/2015	2:02 PM	98.1	0.07	-	-	90.2	0.10

<b>Maximum</b>	<b>104.2</b>	<b>0.60</b>	<b>94.2</b>	<b>0.89</b>	<b>97.3</b>	<b>1.13</b>
<b>Minimum</b>	<b>82.4</b>	<b>0.07</b>	<b>70.1</b>	<b>0.03</b>	<b>80.0</b>	<b>0.10</b>
<b>Limit 95%</b>	<b>115</b>	<b>5</b>	<b>115</b>	<b>5</b>	<b>115</b>	<b>5</b>
<b>Limit 100%</b>	<b>120</b>	<b>10</b>	<b>120</b>	<b>10</b>	<b>120</b>	<b>10</b>
<b>Exceedance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Date Sampled: As listed above  
 Date Obtained: Monthly summary  
 Date Published: 25/06/2015

Licensee: Anglo Coal (Drayton Management) Pty Limited  
 EPL 1323  
 Monitoring Frequency: Event



**THANK YOU**